

Amendments to the Claims

A full listing of the claims is as follows:

1-25. (Canceled)

26. (Currently amended) A coating composition for enhancing the bio-activity of a surface of a medical device, said coating composition formed from an aqueous emulsion or dispersion comprising:

(a) a polycarbonate-polyurethane composition containing a plurality of organic acid functional groups; and

(b) a polyfunctional cross-linking agent containing cross-linking functional groups capable of reacting with the organic acid functional groups, wherein the cross-linking functional groups are present in an amount sufficient to cross-link at least some of the organic acid functional groups and provide available cross-linking functional groups that can react with one or more bio-active agents, and wherein the polyfunctional cross-linking agent has three or more cross-linking functional groups per molecule.

27-35. (Canceled)

36. (Previously presented) The coating composition of claim 26, wherein said polyfunctional cross-linking agent is a polyfunctional aziridine.

37. (Previously presented) The coating composition of claim 26, wherein said bio-active agents are selected from the group consisting of thrombo-resistant agents, antibiotic agents, anti-tumor agents, growth hormones, antiviral agents, anti-angiogenic agents, angiogenic agents, anti-mitotic agents, anti-inflammatory agents, cell cycle regulating agents, genetic agents, hormones, chemically modified equivalents and combinations thereof.

38-40. (Canceled)

41. (Canceled)

42. (Previously presented) The coating composition of claim 26, wherein the cross-linking functional groups are present in a molar excess relative to the organic acid functional groups in the polycarbonate-polyurethane composition.

43. (Previously presented) The coating composition of claim 26, further comprising one or more bio-active agents reacted with at least some of the available cross-linking functional groups.